

TROPICAL STORM GENE (27W)

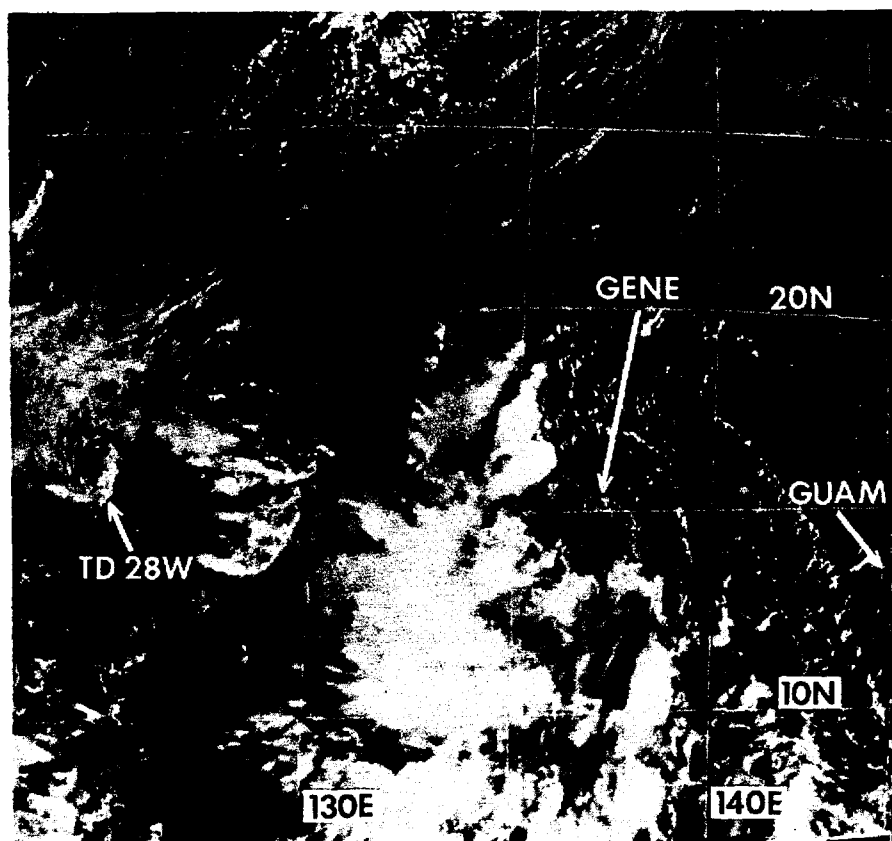


Figure 3-27-1 Cloud lines outline the exposed low-level circulation center of Gene about 12 hours before it was upgraded to tropical storm intensity (080424Z October visible DMSP imagery).

I. HIGHLIGHTS

Occurring during a multiple storm outbreak that included Super Typhoon Ed (25W), Typhoon Flo (26W), and Tropical Depression 28W), Gene was the first of five significant tropical cyclones to form during October. During a four-day evolution, Gene slowly transitioned from a wave in the easterlies into a tropical depression, while passing south of Guam. Briefly attaining tropical storm intensity, Gene (Figure 3-27-1) followed a northward track, and ultimately dissipated over water, east of Okinawa.

II. CHRONOLOGY OF EVENTS

October

020600Z - An area of persistent convection, associated with a wave in the easterlies south of the Caroline Islands, resulted in the first discussion of the disturbance in the Significant Tropical Weather Advisory.

021930Z - Increased convective organization led to the issuance of a Tropical Cyclone Formation Alert (TCFA).

031930Z - A decrease in convection during the TCFA, led to its cancellation.

052000Z - Increased convection near the circulation center, prompted the issuance of a second TCFA.

061800Z - The first warning was issued based on a satellite intensity estimate of 25 kt (13 m/sec).

081800Z - Despite strong persistent upper level wind shear, Gene was upgraded to tropical storm intensity based on a satellite intensity estimate of 35 kt (18 m/sec).

100600Z - The final warning was issued on Gene as it dissipated over water east of Okinawa.

III. IMPACT

None.